

Summer Rat Genetics and Genomics (SuRGe) Workshop 2019

August 2nd and 3rd

Skaggs School of Pharmacy and Pharmaceutical Sciences

University of Colorado Anschutz Medical Campus

12850 E. Montview Blvd., Aurora, CO 80045

Friday, August 2nd

Time	Topic	Presenter
8:30 am	Introduction to quantitative genetics	Rob Williams
9:00 am	Introduction to rat genomics and rat populations	Laura Saba
9:30 am	Introduction to dry lab notebooks	Saunak Sen
10:00 am	BREAK – Coffee/pastries provided	
	<i>Identifying a genomic region</i>	
10:15 am	Rat Genome Database (literature based)	Jennifer Smith, RGD
11:15 am	GN2 (dynamic mapping including GEMMA)	Saunak Sen
12:00 pm	LUNCH	
	<i>Interrogating a genomic region</i>	
1:00 pm	RGD	Jennifer Smith, RGD
2:00 pm	GeneNetwork	Rob Williams
3:00 pm	BREAK	
3:15 pm	PhenoGen (genome browser/eQTL)	Spencer Mahaffey
4:00 pm	GeneWeaver	TBD
5:00 pm	Human GWAS (GWAS Atlas, FUMA)	Rob Williams
5:30 pm	Return to hotel	
6:30 pm	Group Dinner	

Saturday, August 3rd

Time	Topic	Presenter
	<i>Examining your favorite gene(s)</i>	
8:30 am	RGD	Jennifer Smith, RGD
9:30 am	PhenoGen	Laura Saba
10:30 am	BREAK – Coffee/pastries provided	
10:45 am	GeneNetwork	Rob Williams
11:45 am	LUNCH	
12:45 pm	OPAR/Chilibot/RatsPub	Saunak Sen
1:30 pm	Allan Brain Atlas	Rob Williams
2:00 pm	Human Translation using FUMA	Rob Williams
2:30 pm	BREAK/PRESENTATION PREP	
4:00 pm	Participant Presentations (15-20 minute per group)	
5:30 pm	Closing Reception	
6:30 pm	Return to hotel	

Students are asked to be bring:

- A laptop computer for hands-on exercises
- A gene/gene list and genomic region of interest (some examples will be made available)